

Offer the highest standards  
of care and your patients  
will love you.

Offer the highest standards  
of care at lower costs and  
your board will love you.



Healthcare Building Management Solutions



**We'll perform major surgery on the cost of running**

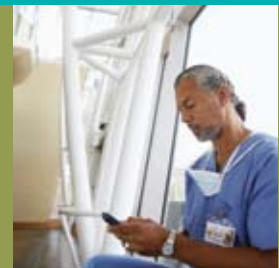
You go the extra mile to create an environment that attracts the best medical staff and delivers the highest quality of patient care. What more can you do to enhance your hospital's reputation and meet the performance expectations of the board?

Do what Lyell McEwin Hospital in Adelaide, Australia, did. Create one of the most efficiently managed patient care environments in the world. Invest in an integrated building management solution—and reduce capital and operating costs in the process.

Do it with TAC. We're the company chosen by the University of Chicago Hospitals and other leading medical centers to solve today's challenge: providing a secure, high-quality environment of care while maximizing limited financial resources.

*"Without TAC's building management control system, we would need an army of people to run our facilities. In fact, this may be the only hospital of its size in Australia to operate without a 24-hour operator onsite."*

*~Hieu Phan, Chief Engineer, Westmead Children's Hospital, Sydney, Australia*



**your hospital and your patients will never feel a thing.**

To provide the best quality of care, control of the hospital environment is essential. You need reliable monitoring systems to help prevent infection. Operating room environments that respond instantly to meet strict procedural requirements. And patient rooms that help patients heal.


TAC systems excel at delivering precise control for temperature, airflow and humidity—for every part of your facility. That includes positive pressurization in

areas like bone marrow transplant patient rooms, and negative pressurization in patient isolation rooms.

Working with our parent company, Schneider Electric, and our security partner, Integral Technologies, TAC can deliver a powerful combination of electrical distribution, security and building management solutions that drive down your costs while maintaining a safe, optimal environment for your patients, staff and medical assets.

Our highly efficient building management systems are easy to install and easier to maintain, helping you get the most out of your capital and operating budgets.

TAC has extensive experience and customized solutions to help maintain ideal environments throughout the hospital. We take great care when it comes to assessing and meeting your needs.



It is crucial that temperature, airflow and humidity are precisely controlled. So that's precisely what we do.



Environment





Patients count on the best care, around the clock. That means you must provide the best of everything, from security to comfort and control. At the same time, you need to do it all in the most efficient manner possible.

Integration lets you manage several different subsystems as a single cohesive network, including those from other vendors. A unified whole that is designed to continuously meet the needs of ever changing conditions.

With this approach, you realize cost benefits from the very beginning. One design team and one installation team consolidate building management, security, structured cabling, IP networks and more into a single infrastructure. Your capital investment can be reduced by as much as 24% compared to the cost of installing these systems separately. And over time, you can save up to 37%

on the cost of operating and maintaining the integrated network.

TAC's integrated approach is just as cost effective when refurbishing facilities as it is when constructing them. And it can also improve your day-to-day operations: because staff training is easier and systems are working together, your facilities are more responsive.

Our award winning expertise in integration makes us the right partner to help you realize its many advantages. You can count on TAC to make sure that you, your facility and your patients receive the best possible treatment.

It costs less to design and install. Less to operate. Less to upgrade. And makes your healthcare facility more marketable.

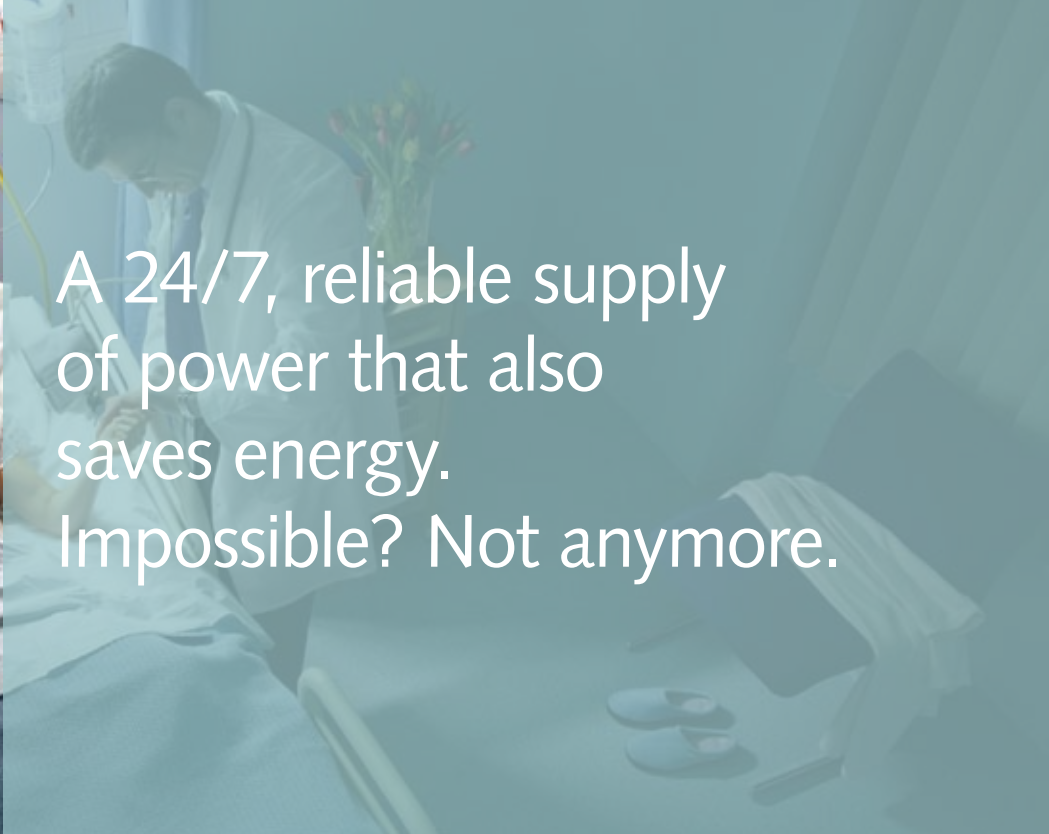


## Integration

TAC's Building IT solution for Lyell McEwin Hospital in Adelaide, Australia, is an industry first in Australia—and quite possibly the world. It offers total integration with voice, data, video and control systems all residing on a common structured cabling system. The cable backbone offers higher bandwidth to guarantee stable and secure transmission of data. This type of Building IT solution reduces overall construction and daily operational costs as well as the extra costs for retrofits and later modifications.



# A 24/7, reliable supply of power that also saves energy. Impossible? Not anymore.



Your hospital is an energy-intensive place. Staff, patients and visitors are coming and going 24 hours a day. Reliable, efficient power is a must.

TAC and its parent, Schneider Electric, deliver expert advice and solutions to meet the demand for uninterrupted power. TAC also implements programs designed to reduce utility consumption. By analyzing your facility operations and energy consumption patterns, we identify

opportunities to replace old systems with today's superior technology. Then, by constantly monitoring energy supply and consumption, we ensure that your hospital is always "on" and running as efficiently as possible.

TAC can even make an energy efficiency program easier to sell to your finance staff. We do this by calculating and guaranteeing the results, and then providing financing for the programs when needed.

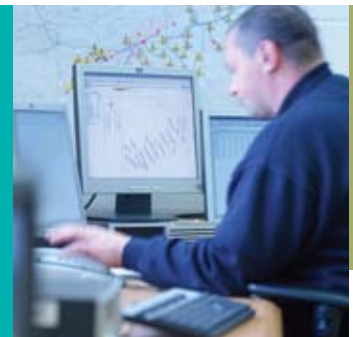
Finally, TAC can "future-proof" your hospital by taking into consideration your future building and energy needs in a sustainable energy plan.

The bottom line: TAC is exactly what the doctor—and the patient and the administrator—ordered.



## Energy

**At Memorial Hospital of Carbondale, Illinois,** in the US, TAC's system continuously monitors and reports on energy consumption, helping drive Memorial's cost of energy for gas and electricity down to 20% less than that of typical hospitals in the same region.



**TAC received the 2006 Frost & Sullivan Excellence in Technology Award in the field of Integrated Building Systems.**

## Hospitals where TAC passes the test:

Moffitt Cancer Center, USA; Exempla Healthcare, USA; Massachusetts Eye & Ear Infirmary, USA; Worthing Hospital, UK; University of Chicago Hospitals, USA; Swissmed Hospital, Poland; Oncology Center Hospital, Poland; Hôpital d'Argenteuil, France; Norfolk & Norwich Hospital, UK; Grimsby District General Hospital, UK; BMI Healthcare Bath, UK; Watson Clinic, USA; Westmead Children's Hospital, Australia; University Hospital of Tampere, Finland; HUS Töölö Hospital, Finland; Aalborg General Hospital, Denmark; Lyell McEwin Hospital, Australia; Westphalian Center for Psychiatry and Psychotherapy, Germany; Bad Bentheim Specialist Clinic, Germany

How do you protect a completely open environment without making it feel locked down? Very carefully.

Your team runs one of the top hospitals in the country, noted for its quality staff, excellence in medical specialties and a welcoming, positive atmosphere. How do you most effectively secure such an environment?

By selecting a partner who understands that there's more to security than locking doors. It also means safeguarding patients in their rooms, doctors in their offices and staff and visitors in the parking lots. It means securing the entire facility, while maintaining the open environment that puts patients at ease.

TAC understands. Our solutions are state of the art and designed specifically for healthcare.

TAC has CCTV and DVR solutions that are discrete, yet effective in monitoring sensitive spaces such as maternity, emergency rooms and parking lots. Our smart card access control systems secure patient floors, pharmacies, surgical suites and more, while granting easy access to authorized persons. TAC integrated technologies give your security staff the ability to closely monitor more space and respond quickly.

Security



TAC works with your team to ensure your hospital offers an ideal environment of care where the focus is on healing. Where patients, doctors and staff experience the freedom that comes from knowing that they're also safe and secure.

[www.tac.com](http://www.tac.com)



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